

Product datasheet for **RC228931L4V**

Semaphorin 7a (SEMA7A) (NM_001146030) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Semaphorin 7a (SEMA7A) (NM_001146030) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Semaphorin 7a |
| Synonyms: | CD108; CDw108; H-SEMA-K1; H-Sema-L; JMH; SEMAK1; SEMAL |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001146030 |
| ORF Size: | 2001 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC228931). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_001146030.2 , NP_001139502.1 |
| RefSeq Size: | 3246 bp |
| RefSeq ORF: | 1506 bp |
| Locus ID: | 8482 |
| UniProt ID: | O75326 |
| Cytogenetics: | 15q24.1 |
| Protein Pathways: | Axon guidance |
| MW: | 74.8 kDa |



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Gene Summary:

This gene encodes a member of the semaphorin family of proteins. The encoded preproprotein is proteolytically processed to generate the mature glycosylphosphatidylinositol (GPI)-anchored membrane glycoprotein. The encoded protein is found on activated lymphocytes and erythrocytes and may be involved in immunomodulatory and neuronal processes. The encoded protein carries the John Milton Hagen (JMH) blood group antigens. Mutations in this gene may be associated with reduced bone mineral density (BMD). Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]